

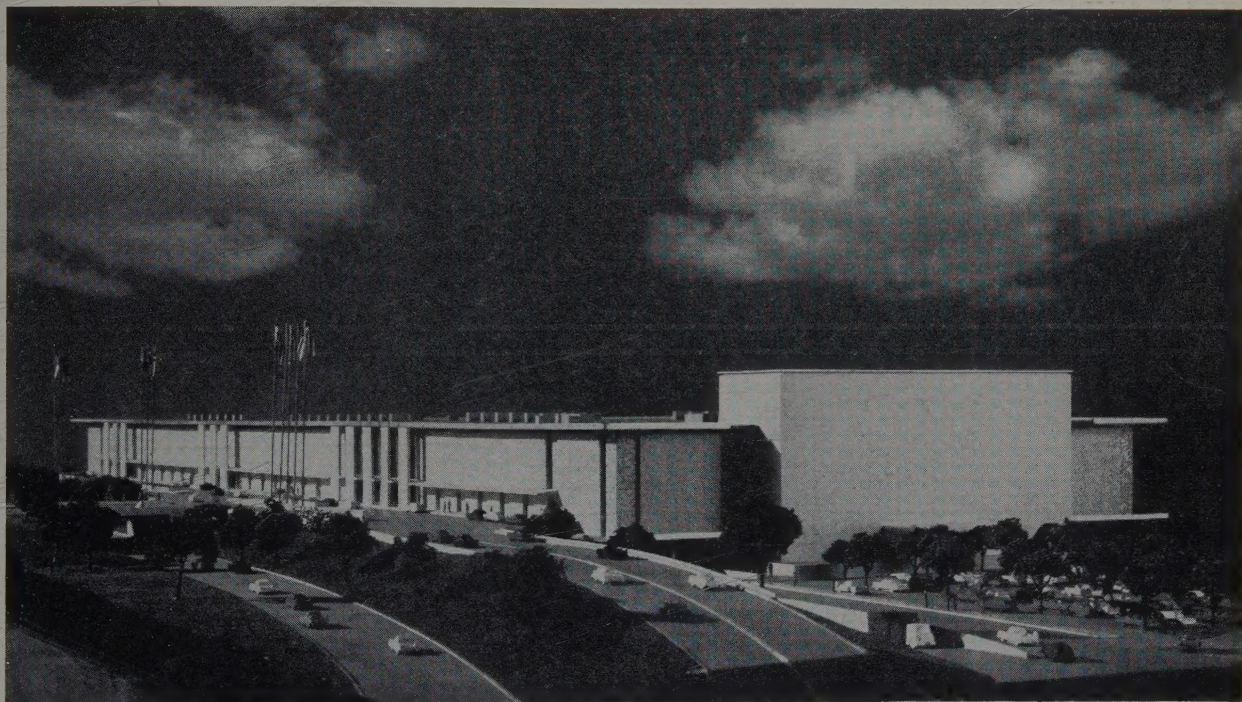


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THE ILLINOIS ENGINEER
FEBRUARY, 1961
VOLUME XXXVII, NO. 2



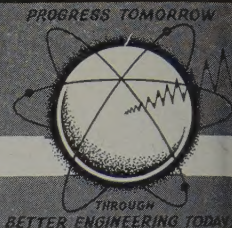
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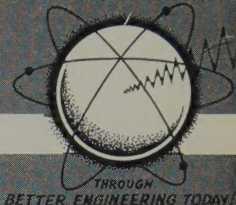


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PROGRESS TOMORROW

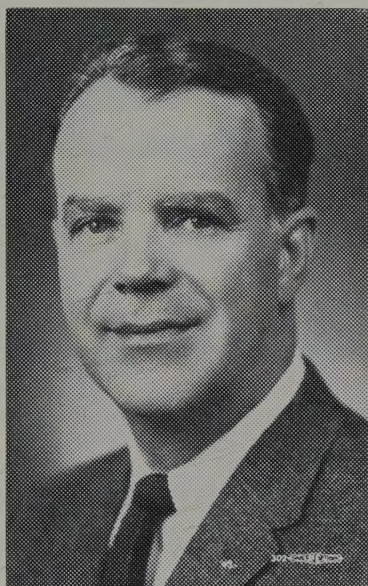


LEGISLATIVE DINNER IN MARCH

By L. D. HUDSON, *President*

High on the ISPE priority calendar is the 1961 Legislative Dinner. This outstanding event is scheduled for Tuesday, March 21, 1961, at the St. Nicholas Hotel in Springfield. Since the first dinner held ten years ago, Capital Chapter has continued to sponsor this for the Society. Each Chapter will again receive tickets and invitational material that can be forwarded to its State Senate and House members.

Plans for this dinner are designed so that each Chapter will sponsor and entertain its local legislators. The dinner has become famous for its informal dignity and it is designed to provide an opportunity for the solons and engineers to become acquainted. It, therefore, greatly assists the Society in understanding the work of the State Legislature. Invitations may also be extended to prominent engineer associates by ISPE members who desire to sponsor them so that they may become acquainted with the Society program.



L. D. Hudson

The Legislative Dinner is a key activity in the events of the 1961 legislative program. Those who will be joining the group for the first time will be delighted to have an evening with their lawmakers. Others will have the opportunity of renewing acquaintances and enjoying Past President Clarence Klassen again as Master of Ceremonies for another night of ISPE history. Because of the popularity of this occasion, Capital Chapter has engaged the expanded second floor ballroom of the St. Nicholas Hotel where ample space will be available.

If early reservations are made by out-of-town men desiring hotel accommodations, there should be little difficulty in obtaining space . . . Don't forget to mark your calendar for March 21st and remind your Representative or Senator of the delightful evening ahead!

CHARLES L. BARKER

Presents

"MAN INTO SPACE"

At

CHICAGO ENGINEERS WEEK BANQUET

WHERE: McCormick Place, Lakefront Banquet Hall, 23rd Street and the Outer Drive, Chicago, Illinois.

WHEN: Thursday, February 23, 1961, from 6:00 to 10:00 p.m.

WHAT: Dinner, Awards and Speaker.

WHO: All Chicago area engineers, wives or husbands and friends.

WHY: To culminate the observance of Chicago Engineers' Week.

HOW MUCH: \$6 per person. Cocktails not included.

THE PROGRAM

6:00 to 6:45 p.m.—Cocktails and social period

6:45 to 7:00 p.m.—Seating in Lakefront Banquet Hall

7:00 to 7:15 p.m.—Announcements and introductions by the Master of Ceremonies

7:15 to 8:00 p.m.—Dinner: Fruit Cocktail, Soup of the Day, Chef's salad, Half chicken, Apple pie, Cookies, Coffee

8:00 to 8:05 p.m.—Engineer-of-the-Year Award

8:05 to 8:15 p.m.—Professionalism Award

8:15 to 9:15 p.m.—"MAN INTO SPACE" by

CHARLES L. BARKER

Mr. Barker is Dr. von Braum's Deputy Chief in charge of the Future Projects Design Branch of the Structures and Mechanics Division at the George C. Marshall Space Flight Center (National Aeronautics and Space Administration, Huntsville, Alabama).

Mr. Barker will talk to us about the Saturn Space Vehicle and the program to get man into space.

9:15 to 9:45 p.m.—Question period

10:00 p.m.—End of Banquet

(Continued on next page)

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THE CHICAGO ENGINEERS WEEK COMMITTEE, under the Chairmanship of Hans Hasen, ISPE, ASCE, and Harza Engineering Company, has announced a two-fold purpose for the observance of **ENGINEERS' WEEK**, February 19-25:

1. To tell the public about the work of Engineers and their accomplishments.
2. To strengthen our profession by a city-wide membership drive to encourage engineers to join the professional organization of their choice.

Arrangements have been made for poster displays in Chicago's libraries and some of the downtown stores and for newspaper and TV publicity. The CTA stations will carry posters to salute the engineers, and buttons and bumper stickers are being sold.

As the theme this year is "ENGINEERING — A CAREER OF OPPORTUNITY", they are spotlighting Lane Technical High School with an essay contest on the subject, "CHICAGO—1991," giving slide rules as prizes, and with a career conference where engineers representing ASCE, ASME, AIEE and AICHE will talk to 1,600 students about their branches of the engineering profession.

Talks by engineers before the Kiwanis and Lions Clubs of Chicago are now being arranged. To climax Engineers' Week, the McCormick Place banquet for approximately 1,200 engineers and their wives will be held as announced above.

Assisting Mr. Hans Hasen on the Chicago Engineers' Week Committee in sponsoring this gigantic program are:

First Vice-Chairman: James G. Flood, ISPE, Walter H. Flood & Co.

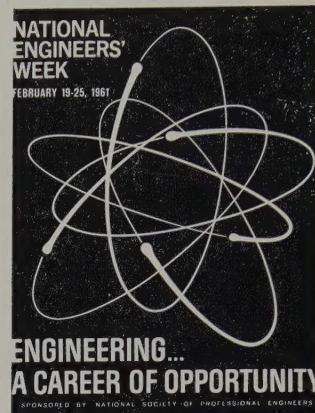
Second Vice-Chairman: Leo Dolkart, AIEE, Chicago.

Secretary: Albert G. Freiman, ISPE, Naess & Murphy.

Committee Members

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AICHE: Octabe DuTemple, American Nuclear Society; Stanley G. Sourelis, Pod. Div. Dresser Industries.



tries.

AIEE: Dan P. Dwyer, Westinghouse Electric Corp.; Richard E. Kenna, Illinois Bell Telephone Co.

ASCE: Capt. Carl J. Bordiga, Hdqs., Fifth U. S. Army; Robert DeGrange, H. W. Lochner & Co. (Chairman of Newspaper Publicity); Donald Echmann, Alvord, Burdick & Howson; Harry O. Hefter, Hefter & Associates.

ASME: Douglas C. Rinn, American Standard Ind. Div.

WSE: Frank M. Scott, Allis-Chalmers Mfg. Co.

CHICAGO ENGINEERS' WEEK is being sponsored in association with ISPE, Chicago Chapter; Illinois Section of ASCE; the Chicago Sections of ASME, AIEE and AICHE, and the Chicago Post of SAME (Society of American Military Engineers).

SALT CREEK CHAPTER SCHEDULES "FRENCH" PROGRAM IN MARCH

Mr. Paul E. Flood, Secretary, Salt Creek Chapter, announces plans for their **ANNUAL LADIES' NIGHT** and **INSTALLATION OF CHAPTER OFFICERS** for March 9.

The program for this meeting, in deference to the ladies, is strictly non-technical and will be given by **MISS SIMONE SALLES**, Mid-west Regional Director, French Government Tourist Office. Miss Salles' presentation will be augmented by a colorful film.

This interesting program will be held at the **Elmhurst Country Club**, Wooddale Road (just west of Illinois Route 83), North of Lake Street (U. S. Route 20), Bensenville, Illinois.

MAKE RESERVATIONS EARLY TEAR OFF

Mail to: H. Hasen,

922 Sherwood

LaGrange Park, Illinois

Enclosed is my Check for \$_____ for _____ tickets at \$6.00 each for the Chicago National Engineers' Week Banquet on Thursday, February 23, 1961, at 7:00 p.m. at McCormick Place, 23rd Street and the Outer Drive, Chicago. Make checks payable to Chicago Engineers' Week Committee.

Name _____

Address _____

Society _____

Chapter _____

SHEDD MEMORIAL PLAQUE PRESENTED TO U. OF ILLINOIS

A bronze plaque dedicated to the memory and in recognition of the long years of dedicated service given by Prof. Thomas C. Shedd to engineering in Illinois was presented Saturday, January 7, to the University of Illinois.

The Illinois Society of Professional Engineers presented the plaque. It will hang in Civil Engineering Hall along side a photograph of the late Mr. Shedd, professor of structural engineering for 26 years at the UI. A duplicate plaque will hang in the state office of the Illinois Society of Professional Engineers, Springfield.



W. A. Oliver, Chairman of the Shedd Memorial Committee.

persons at the luncheon in the Illini Union.

With Mrs. Shedd at the ceremonies were her son, Thomas C. Shedd, Jr., and Mrs. Shedd, Wilmette; and her daughter, Mrs. Richard L. Pfister, Hanover, N. H.

Representatives of various organizations in which Prof. Shedd was a participant, including Board of Direction of the I.S.P.E., Urbana Exchange Club, Congregational Church, Structural Engineers Examining Committee, Professional Engineering Examining Committee, Illinois Engineering Council, and University civil engineering faculty were at the luncheon.

President LeVerne D. Hudson, Springfield, of the I.S.P.E., in presenting the plaque, said it is a symbol of "our affection and especially those of us who were his students."

"The fundamental truths he taught always will be of value to us," Mr. Hudson said. "His contributions, technical greatness, service and establishment of the Engineering Act and his protection of the act are to be cherished.

"He always carried more than his share of the profession with him," Mr. Hudson added. "He was recognized as a teacher and one of our great educators."

Dean William L. Everitt of the College of Engineering, said, "Prof. Shedd came to the engineering profession at a time when his influence was profound—when there was need for professional development and

Prof. W. A. Oliver of the CE department was chairman of the Shedd Memorial Committee. He was assisted by Profs. J. W. Briscoe and Edward E. Bauer; R. Dean Collins, Springfield, and A. W. Neureuther, Decatur. There were 132



Pictured above, at the presentation of the Thomas C. Shedd Memorial Plaque, are: Mrs. Shedd, seated; Mrs. Richard L. Pfister (Harriett Shedd); Thomas C. Shedd, Jr.; Dean William L. Everitt; Professor N. M. Newmark; and LeVerne D. Hudson.

legislation in Illinois and the United States to help engineering move forward. His was a contribution hardly matched in the United States."

Prof. Nathan M. Newmark, civil engineering department head, in accepting the plaque for the department, said it honors one of the University's "great teachers, Thomas C. Shedd."

"By its action, the I.S.P.E. has focused attention on the most important part of our University program, the bringing of outstanding and dedicated teachers together with capable and eager students. We shall continue to strive to meet this goal in spite of handicaps such as inadequate physical facilities.

"The I.S.P.E. might help us even more if they could arrange to have the plaque honoring Prof. Shedd placed in the hallway of a new Civil Engineering Building. We hope it will be the beginning of a bright new day for the department. With your help it may well be so."

Continuing, Dr. Newmark said, "great teachers like Prof. Shedd are rare. Their influence and the contribution to the successful careers of their students are enormous. We look back with fond memories on the 36 years of Prof. Shedd's teaching activities here. We can realize only in small part what he gave to all of us and to his many students the world over. That these students and former associates remember his help and his guidance is evident from the fact that the Shedd-Vawter Memorial Fund has deposited in it now nearly \$10,000. This fund will be placed in the University's endowment and the interest will be used soon to support scholarships in civil engineering.

"Your plaque and these scholarships will keep alive the memory of one of our most valuable teachers."

PROFESSIONAL CORNER

THE NEED FOR MODIFICATION OF THE TEACHER CERTIFICATION STATUTES

By PROF. JERRY S. DOBROVOLNY, *Head of General Engineering, U. of I.*

The critical shortage of adequately trained engineering technicians has brought to focus another problem; that is, the critical shortage of qualified teachers to teach in the technical institutes and junior colleges offering high level Engineering Technology programs leading to an Associate Degree. The State of Illinois is woefully lacking in technical institutes. At the present time, there is only one school in the state that has a program approved by the Engineering Council for Professional Development, and that is DeVry Technical Institute in Chicago, Illinois. In addition to this, Southern Illinois University at Carbondale has a Vocation-Technical Institute that does a very fine job for training technicians for Southern Illinois. No doubt in the very near future, they will apply for accreditation by E.C.P.D.

There are several engineering technicians programs being started through the Office of the Superintendent of Public Instruction as a result of the National Defense and Education Act of 1958. Many of these programs are being inaugurated as night school sessions, and require three calendar years to complete one academic year of work. The College of Engineering at the University of Illinois has organized a Technical Institute Curriculum Advisory Committee to act in an advisory capacity in development of these National Defense and Education Act Programs commonly referred to as Title VIII Programs.

In discussing the various problems concerned with the staffing of these programs, it has become apparent that one of the most critical problems facing the State of Illinois in the future will be the training and development of qualified staff. At the present time every instructor who teaches in a Junior College must have about sixteen semester hours of education courses in order to be certified by the State of Illinois. This requirement places a restriction on obtaining qualified staff to teach in technical curricula in these institutions since engineers and scientists do not have these education courses; however, they may be eminently qualified to teach technical courses. Steps are being taken, through the Office of Public Instruction, to remedy this situation.

In addition to this, the College of Education and the College of Engineering at the University of Illinois are developing a Master's Degree Program for training instructors for technical institute and technical curricula

87TH CONGRESS STARTS AT HECTIC PACE

The first session of the new Congress officially got underway at 12:00 Noon on Tuesday, January 3, 1961. From the more than 2,000 bills introduced during the first several days, plus current indications of future legislative action, *the 87th Congress promises to be particularly significant for the engineering profession.* Many of the proposals are repeats or slight modifications of bills which were pending as the 86th Congress concluded its business last year. Others, however, are relatively new on the scene.

Then, too, *a series of special task force reports submitted to President Kennedy* on such subjects as *aid to education, defense reorganization, depressed areas, the state of the Nation's economy, housing, natural resources and a proposed Point-4 Youth Peace Corps* give some indication of possible areas of legislative activity which the new Administration may pursue.

Because of the tremendous number of bills introduced during the first few days, it will be some time before they are all printed and referred to appropriate committees. Meanwhile, from their titles alone, *it is evident that a substantial number are of direct interest to or affect the engineering profession* on such matters as aid to education, amendments to the Taft-Hartley Act, retirement tax benefits for self-employed professionals, establishment of a National Science Academy, additional pay for scientists in the military services, proposed establishment of a Department of Urban Affairs, expanded public works projects, etc.

in junior colleges. The National Science Foundation has made a grant to the University of Illinois to conduct a summer institute in engineering technology. This will be held at the University, June 19-August 21, 1961.

I would like to urge the I.S.P.E. to lend more than just spiritual support to the movement that would encourage the state legislature to amend the teachers' certification statutes to permit qualified engineers in local communities to teach technical courses in technical institutes. At the present time, an individual can obtain a temporary certificate. However, the statutes should be revised to be consistent with the practices followed in higher education, such as the College of Engineering, where staff members are hired on the basis of technical competency in a subject area rather than on the basis of having fulfilled certain course requirements in education.

This is not to say that some on-the-job training should not be undertaken by the novice instructor in such subject matter as educational philosophy and psychology testing procedures. However, steps should be taken immediately by the society to urge modification of the statutes to permit qualified men to teach.

LOVE THAT I.B.M.!

The installation of an I.B.M. Key Punch and Sorter in the headquarters office during the latter part of 1960 is proving its worth and is giving a real boost to some of the record keeping. We are continuing to work out "bugs" in our system and at the same time are giving new service to I.S.P.E. Chapters.

This month a "valentine" bonus has been sent to all chapter secretaries in the form of a listing of all members, with addresses and grade. If there are deviations from local records, we hope we will be notified promptly.

Other areas of work in which distinct progress has been made were in sending Chapter and National dues payments at the end of January and in running bank deposits. With the flip of a switch, the amounts due National, State, or Chapter can be suppressed or recorded as the procedure requires. Even our auditors are impressed with the versatility of our mechanical genius!

During the planning stages of our I.B.M. installation,

it was proposed that Office Manager Mary Watt be trained in the use of all equipment involved. So, back to school for her! She has been enrolled at I.B.M.'s Regional Education Center in Chicago for the week beginning February 13. If it is possible, in addition to the key punch instruction, training will be given in wiring and program planning.

Upon learning that enrollees' work is scored and graded, Mrs. Watt remarked, "I must come out with at least 'above average' or my parental influence might suffer a set-back. I'm going to buck for an 'excellent' rating."

At any rate, the automation in record keeping is a big step forward in I.S.P.E. administrative history and will allow us to give better service to our members through man-hours saved on paper work being used for more "professional activities. The full meaning of a slogan printed on I.B.M. supply cartons—Working Paper . . . Not Paper Work—is realized more and more each day.

CONCRETE PIPE-O-GRAM

THE CONCRETE PIPE INDUSTRY IS GEARED FOR THE 60'S.

LARGE INVESTMENTS IN IMPROVED CONCRETE PIPE—

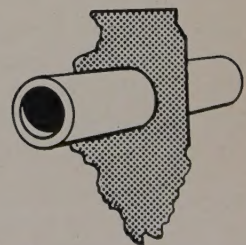
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NEW FORMAT FEATURED IN 76TH I.S.P.E. CONVENTION

APRIL 20-22, 1961

HOTEL PERE MARQUETTE — PEORIA

Mr. E. J. Giebelhausen, General Chairman of the 76th ISPE Convention, has announced an exciting new format for the Peoria meeting.

For the first time in our history, each individual Chapter will have a definite place on the Convention floor for its invited "Delegates." President L. D. Hudson has invited each Chapter President to appoint six Delegates to officially represent their Chapter on the floor of the Convention. This new House of Delegates is being established to encourage greater member participation in the discussion of Society business, and to give our Chapters more autonomy for the presentation of their views. State Committee Chairmen are being asked to make their reports directly to the delegates who in turn are being encouraged to question and comment on the reports as they are presented. All I.S.P.E. members will have the Privilege of the Floor.

In addition to the new House of Delegates, outstanding entertainment for the ladies and gentlemen attending the Convention is being planned. **MAKE YOUR PLANS EARLY TO ATTEND THE 76TH CONVENTION OF I.S.P.E.**

TENTATIVE SCHEDULE

APRIL 20-22—76TH I.S.P.E. CONVENTION—1961—PEORIA, ILLINOIS, HOTEL PERE MARQUETTE

WEDNESDAY—APRIL 19

6:00 P.M. DINNER—I.S.P.E. EXECUTIVE COMMITTEE
7:00 P.M. I.S.P.E. EXECUTIVE COMMITTEE MEETING

THURSDAY—APRIL 20

8:00 A.M. REGISTRATION—LOBBY
9:00 A.M. FIRST SESSION—HOUSE OF DELEGATES
12:15 P.M. LUNCHEON—Speaker: Paul H. Robbins, P.E., Executive Director, N.S.P.E.
2:00 P.M. SECOND SESSION—HOUSE OF DELEGATES
4:30 P.M. Adjourn Second Session
5:30 P.M. Cocktail Hour—Sponsored by Clay Pipe Manufacturers Association
6:30 P.M. Buffet Dinner
8:15 P.M. to Midnight: SPECIAL ENTERTAINMENT
"THE SPOTLIGHTS" Orchestra
Specialty Acts Presented by Billy Houlihan

FRIDAY—APRIL 21

- 8:30 A.M. Registration
- 9:00 A.M. - 10:30 A.M.: FUNCTIONAL SECTIONS MEET
1. ENGINEERS-IN-INDUSTRY—Speaker to be assigned
 2. HIGHWAY ENGINEERS—Speaker to be assigned
 3. BUILDING CONSULTANTS AND ENGINEERS-IN-PRIVATE PRACTICE—
Speaker: DONALD SCHNASKE, Secretary-Manager, Kansas Consulting
Engineering Section
(Engineers-in-Private Practice to Meet After Address).
- 10:45 A.M. - 12:15 P.M. FUNCTIONAL SECTIONS MEET
1. BUILDING CONSULTANTS—Speaker to be assigned
 2. LAND SURVEYORS—Speaker to be assigned
 3. STRUCTURAL ENGINEERS—Speaker to be assigned
- 12:30 P.M. LUNCHEON—Speaker: NOAH HULL, President, N.S.P.E.
- 2:30 P.M. THIRD SESSION—HOUSE OF DELEGATES
- Legislative Report
 - Functional Sections Report
 - Presentation of New Officers
- 4:30 P.M. Third and Final Session Adjourns
- 6:00 P.M. Cocktail Hour—Sponsored by the Illinois Concrete Pipe Association
- 7:00 P.M. - Midnight: ANNUAL BANQUET: Speaker to be assigned
- Presentation of ILLINOIS AWARD
 - Presentation of Past-President's Certificate
 - SPECIAL ENTERTAINMENT: RON PILON—Comedy
 - DANCING TO BILLY HILL'S ORCHESTRA

SATURDAY—APRIL 22

- 8:30 A.M. - Noon: I.S.P.E. BOARD OF DIRECTION MEETING

THE LADIES' TENTATIVE CONVENTION SCHEDULE

THURSDAY—APRIL 20

- 8:00 A.M. Registration—Lobby—Hotel Pere Marquette
Hospitality Room Available for Rolls and Coffee
- 10:30 A.M. BRUNCH—CARROUSEL ROOM
THEME: "NAME THAT TUNE" . . . Prizes to be awarded
- 12:30 P.M. CARDS—CARROUSEL ROOM
THREE OPTIONAL TOURS TO BE CONDUCTED:
1. TOUR OF HIRAM WALKERS
 2. TOUR OF ART & SCIENCES' DISPLAY
 3. GLEN OAK PARK ZOO AND CONSERVATORY
- 3:30 P.M. TEA—ILLINOIS VALLEY YACHT CLUB
- 5:30 P.M. Join With Men for Evening Program

FRIDAY—APRIL 21

- 8:30 A.M. REGISTRATION—Lobby—Hotel Pere Marquette
- 10:30 A.M. TOUR OF "JUNCTION CITY"—Peoria's New Shopping Center
- 11:30 A.M. REFRESHMENTS (Optional)—VONACHEN'S JUNCTION
- 12:30 P.M. LUNCHEON At a Peoria Country Club
THEME: "THIS IS YOUR LIFE"
PROGRAM: BEA HARRIS—Palace Gift Shop. Prizes to be awarded
- 3:30 P.M. TOUR OF PALACE GIFT SHOP
Shopping in Downtown Peoria—Optional
- 6:00 P.M. DINNER DANCE

NORTHWEST SUBURBAN CHAPTER STRENGTHENS I.S.P.E. VIA NEW ELECTION PROCEDURE

*By J. F. KOENEN, Vice-President NW Suburban
Chapter*

At its annual meeting on Friday, January 20, the Chapter installed its new slate of officers to serve until April 1962. With Mr. LeVerne Hudson, President of I.S.P.E. looking on, the following members were installed: Kenneth G. Cook, Des Plaines, President; Carl H. Bowen, Arlington Heights, Vice President; Albino Angonese, Mt. Prospect, Secretary; and Charles R. Hays, Park Ridge, Treasurer. Donald E. Gustafson, Prospect Heights, was elected Chapter Representative to serve until April 1963 with Joseph Agosta, Park Ridge being elected alternate chapter representative.

THIS ELECTION MARKED A TURNING POINT FOR THE CHAPTER SINCE TWO MEMBERS HAD BEEN NOMINATED FOR EACH OFFICE. It is interesting to note that Mr. Bowen is the only hold-over from the previous administration, having served as secretary during 1960.



Northwest Suburban Chapter elects new officers: L. to R., Carl H. Bowen, Vice President; W. L. Berk, immediate Past President; L. D. Hudson, ISPE President; Kenneth G. Cook, President; Albino Angonese, Secretary; and Charles R. Hays, Treasurer.

THIS OPENING OF ELECTIVE OFFICES TO A GREATER NUMBER OF CHAPTER MEMBERS DURING ANY ONE YEAR IS ANOTHER STEP IN OUR EFFORT TO BRING THE SOCIETY CLOSER TO THE GRASS ROOTS LEVEL WHICH THE CHAPTER REPRESENTS. THE INFUSION OF NEW BLOOD BROUGHT ABOUT BY THIS ELECTION WILL NOT ONLY SERVE TO MAINTAIN A VITAL AND PROGRESSIVE ADMINIS-

PROMINENT KANSAS ENGINEER TO APPEAR AT I.S.P.E. CONVENTION

Donald P. Schnacke, 35, Secretary-Manager of the Consulting Engineering Section of the Kansas Engineering Society, will address a Joint Session of two ISPE Functional Sections. On Friday, April 21, the ISPE Building Consultants and Engineers-in-Private Practice will hear Mr. Schnacke talk on the organization of the fine Kansas Consulting Engineering Section.

Mr. Schnacke is a native of Topeka, Kansas, married and has two sons. He holds a B.S. degree in Mechanical Engineering from Oklahoma State University and an LL. B. degree from Washburn University. He is a licensed Professional Engineer and has been admitted to the Bar, both in the State of Kansas.

He has been employed in the petroleum industry as an engineer; been in the private practice of engineering, practiced law—all before being named as the full-time Secretary-Manager of the Consulting Engineering Section of the Kansas Engineering Society, March, 1958.

Mr. Schnacke is a member of the Kansas Engineering Society, the National Society of Professional Engineers, the Kansas Bar Association and the American Bar Association. He is an Elk and a Lion; his church affiliation is with the First Presbyterian Church in Topeka, serving as a Trustee and this year as President of the Men's Club.

Mr. Schnacke has remained active in politics, working his way up from precinct committeeman to his present work as a County Chairman. He has been recently elected the Kansas State Republican Chairman.

TRATION AS FAR AS POLICIES ARE CONCERNED BUT SHOULD ALSO QUICKEN THE INTEREST OF CHAPTER MEMBERS IN SOCIETY GOALS. NOTHING INCREASES THE INTEREST OF A SOCIETY MEMBER MORE THAN A CONCRETE EXAMPLE OF DEMOCRACY IN ACTION SUCH AS OUR NEW ELECTIVE PROCEDURE EXEMPLIFIES.

Mr. Hudson, in his talk, outlined the progress of the State Society and the many ways in which it aids the chapters and individual members. In his talk and the question and answer period following, Mr. Hudson gave examples of legislative, ethics and practice and industrial relations action. The work of functional sections and use of the many publications put out by N.S.P.E. was also discussed.

P.E.C.B.I. SURVEY SHOWS ATTITUDES OF ENGINEERS ON PROFESSIONALISM

Engineers, Managers Disagree

While engineers and managers in industry pretty well agree on the ingredients of professionalism, they do not always see eye-to-eye on what is being done and what should be done to advance the concept.

The sixth of a series of surveys published by the Professional Engineers Conference Board for Industry in cooperation with N.S.P.E. reveals that in general, industrial managers feel that companies are doing more to advance professionalism than engineers give them credit for. The survey, "Engineering Professionalism in Industry," conducted for P.E.C.B.I. by the Opinion Research Corporation of New Jersey, uncovers the following differences of opinion:

Professional Status

Fifty-six per cent of managers surveyed felt their companies recognize the professional status of engineers to a "very high" degree, but only 26 per cent of engineers agreed. Most engineers (51 per cent) felt their professional status was recognized by companies to only a "moderate" degree.

"Respect" for "Valuable Employees?"

Almost 70 per cent of managers said management shows "genuine respect" for engineers, but only 36 per cent of engineers agreed. Ninety per cent of managers rated engineers among the most valuable employees, but only 52 per cent of engineers felt they are so regarded. "If companies are doing all the things they say they are," concludes the report, "many of these programs and policies are not now getting through to engineers."

Management Efforts Get Results

Although many differences of opinion crop up in the survey, it is evident that genuine management efforts to improve professional conditions get results. Before interviews were conducted, survey companies were analyzed and rated on actual efforts to promote professionalism among engineers.

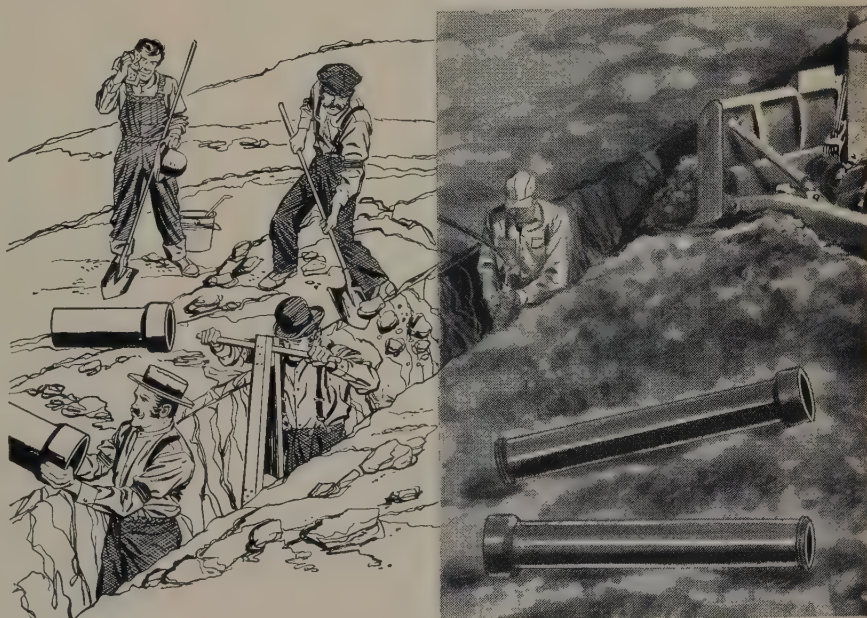
Engineers Disagree on Status

In the "high scoring" companies, 44 per cent of engineers think management really believes in the professional status of engineers, while only seven per cent of engineers in the lower scoring companies agree.

"Sort of a Commodity"

Fifty-three per cent of engineers in the lower scoring companies said engineers are "sort of a commodity—let go quickly if business is poor," but only seventeen per cent of engineers in high scoring companies agreed.

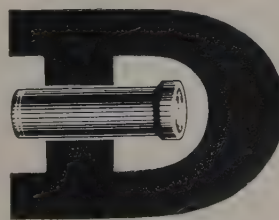
In addition, the survey covers the attitudes of engineers and managers on engineering unions, professional society membership, salary scales, mutual responsibilities in advancing professionalism, mal-utilization of engineers, and other areas.



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RAY V. TILLY RETIRES

The consulting firm of Crawford, Murphy & Tilly has announced the retirement as of January 1, 1961, from active engineering practice of Ray V. Tilly, 65, a partner in that firm. Ray and his wife, Ellen, have established a home in Hemet, California. Although he is retiring from active practice, Ray will maintain an interest in the affairs of the consulting firm for the next five years.

Ray Tilly was born and spent his early days in Calhoun County, Illinois, where he acquired a skill and interest in nature lore, hunting, and fishing, which he still retains. Formal education was not regarded very highly at that time in Calhoun County, and Ray was considered a little bookish when he insisted on completing his grade school education. In years immediately following, he worked on a number of jobs, including a lumber camp and harvesting up through the wheat belt. In 1917 he was working on a cattle ranch in North Dakota when a patriotic urge persuaded him to enlist in the A.E.F. He served as a doughboy in France until that fracas was settled. After his return to the United States in 1919, he decided that despite the admonition of his Calhoun County friends, more education was desirable. He enrolled in a Y.M.C.A. high school in Seattle and completed the entire high school curriculum in slightly more than one calendar year. By this time he had heard that the North Dakota legislature had passed a bonus bill to reward all World War I veterans who had enlisted from North Dakota. He journeyed to Bismarck, the State Capitol, and was advised that although a bonus bill had been passed, no money had been appropriated. However, it was suggested that he might be able to collect his bonus in the form of state services—such as tuition at a state college. On arriving at the University of North Dakota in Grand Forks, Ray was advised that their budget had been cut to the bone, so no free tuition could be offered to World War I veterans. Fortunately, at this low point, the Dean of the College of Engineering took an interest in Ray and personally staked him to a loan to enroll in the College of Engineering at that University.

With this start and by diligently applying his ingenuity and industrious character to work opportunities which existed or could be created during spare time and summers, Ray attended the University of North Dakota for four years and was awarded a B.S.C.E. in 1924. Later in 1936, he was awarded the professional degree of Civil Engineer by the same University, the first C. E. degree conferred by the University.

Following his graduation, Ray worked with the U. S. Geological Survey and the consulting firm of Pearse, Greeley & Hansen until 1930. In 1924 he married Ellen Flinkman from Seattle, Washington, whom he had met during his prep school days and had courted by corre-

spondence and a few trips back to Seattle. Two children were born to this union, Patricia, who is now married and living at Santa Anna, California, and Gary, who is a graduate student at the University of Missouri, working toward a PhD in Psychology.

In 1930, Ray entered into a partnership with Clifford C. Wood and W. W. Walraven to form the consulting firm of Wood, Walraven & Tilly. He continued in active practice as a member of that firm until 1938 when



Ray V. Tilly

he accepted an appointment as County Superintendent of Highways of Sangamon County.

In January, 1946, following World War II, Ray entered into a partnership with Leonard K. Crawford and James P. Murphy to form the consulting firm of Crawford, Murphy & Tilly. In 1949, Ray resigned as County Superintendent of Highways to participate full time as an active partner in the consulting firm.

Ray is a member of ISPE, NSPE, ASCE, IACE, AWWA, and CSSIWA. He has served as a member of the Professional Engineers Examining Committee for Illinois from 1952 to his resignation in 1960. He has been a Shriner, a Jester, and a Rotarian for many years. His many friends in the Illinois Society of Professional Engineers will miss Ray's sage and good nature friendship and advice in professional gatherings, but all join in wishing him happiness in his new residence.

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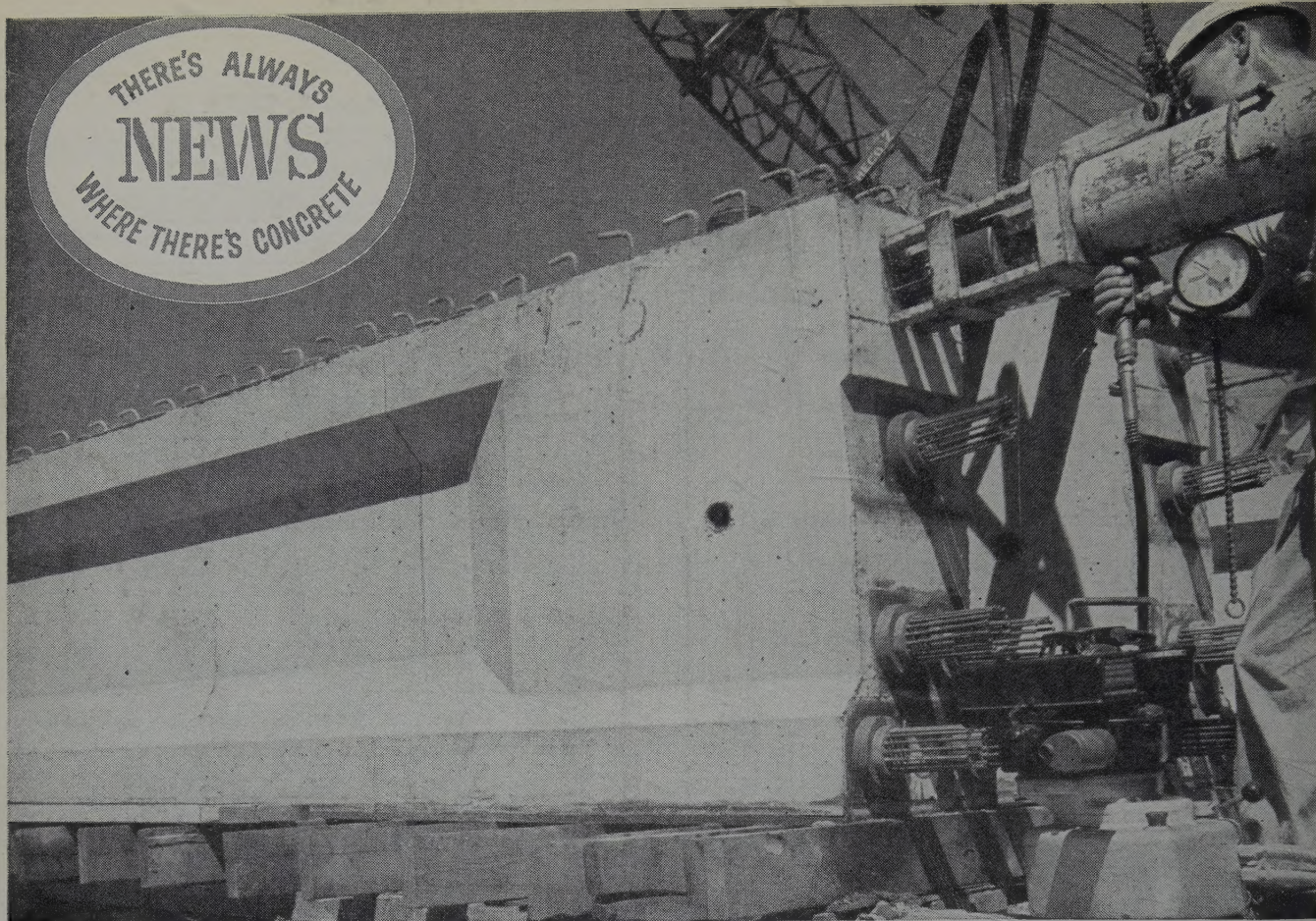
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